

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**Applicants:** Roland Contreras, et al.

**Examiner:** Quang Nguyen

**Serial No.:** 10/672,484

**Art Unit:** 1633

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**For:** PROTEIN GLYCOSYLATION  
MODIFICATION IN METHYLOTROPHIC  
YEAST

**Dated:** October 20, 2011

**Confirmation No.:** 8325

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Sir:

In accordance with 37 C.F.R §§1.97 and 1.98, it is requested that the following references, which are also listed on the attached electronic form PTO/SB/08a, be made of record in the above-identified case.

1. GONZALEZ, D.S. et al., "The  $\alpha$ -Mannosidases: Phylogeny and Adaptive Diversification" *Mol. Biol. Evol.* (2000) pp. 292-300, Vol. 17, no. 2;
2. HERSCOVICS, A., "Structure and Function of Class I  $\alpha$ 1,2-Mannosidases Involved in Glycoprotein Synthesis and Endoplasmic Reticulum Quality Control" *Biochimie* (2001) pp. 757-762, Vol. 83;

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**CERTIFICATE OF ELECTRONIC FILING**

I hereby certify that this correspondence is being deposited with the United States Patent & Trademark Office via Electronic Filing through the United States Patent and Trademark Office e-business website.

Dated: October 20, 2011

  
Xiaochun Zhu

3. BECKER, B. et al., "Short Communication The Transmembrane Domain of Murine  $\alpha$ -Mannosidases IB is a Major Determinant of Golgi Localization" *European Journal of Cell Biology* (December 2000) pp. 986-992, Vol. 79;
4. SCHNEIKERT, J. et al., "Characterization of Novel Mouse Recombinant Processing  $\alpha$ -Mannosidases" *Glycobiology* (1994) pp. 445-450, Vol. 4, no. 4;
5. NETT, J.H. et al., "A Combinatorial Genetic Library Approach to Target Heterologous Glycosylation Enzymes to the Endoplasmic Reticulum or the Golgi Apparatus of *Pichi pastoris*" *Yeast* (2011) pp. 237-252, Vol. 28;
6. ROMERO, P.A. et al., "Mutation of ARG<sup>273</sup> to Leu Alters the Specificity of the Yeast *N*-Glycan Processing Class I  $\alpha$ 1,2-Mannosidases" *The Journal of Biological Chemistry* (2000) pp. 11071-11074, Vol. 275, no. 15;
7. HIGGINS, D.R. et al., "Introduction to *Pichia* Protocols" *Methods in Molecular Biology* (1998) pp.1-15, Vol. 103; and
8. U.S. Patent No. 5,834,251 issued November 10, 1998 to Maras et al.

Applicants are submitting copies of the above-cited references required by 37

C.F.R. 1.98 (a)(2)(i) and (ii).

Inasmuch as this Information Disclosure Statement is being submitted in accordance with the schedule set out in 37 C.F.R. § 1.97(c), the requisite fee of \$180.00 has been charged Deposit Account 19-3886/RCT.

Respectfully submitted,



Xiaochun Zhu  
Registration No. 56,311

Scully, Scott, Murphy & Presser, P. C.  
400 Garden City Plaza-STE 300  
Garden City, New York 11530  
Telephone: 516-742-4343  
XZ:eb